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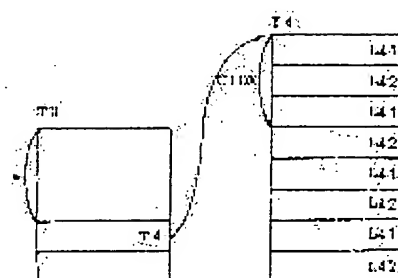
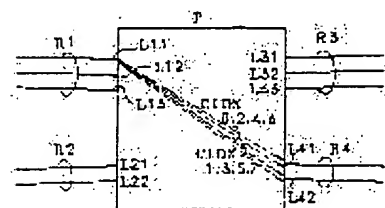
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(54) PACKET EXCHANGE RELAY LINE SELECTING SYSTEM

(57)Abstract:

PURPOSE: To reduce the delay time in a network by assigning a number at each logical link at each calling in a calling exchange station, allowing the calling exchange station to set this number in a head of all packets of the succeeding call and using this number at the selection of transmission line at the calling exchange station or a relay exchange station and deciding the transmission line so as to decentralize the loads.

CONSTITUTION: Relay path numbers viewed from an exchange P are represented by R1, R2, R3 and R4 in a packet exchange P. Two ~three relay lines Lij (i=1~4, j=1~3) are set to the paths R1, R2, R3 and R4. In receiving a packet from a line L11, a path selection table T0 is indexed from a destination station number (a) of the packet so as to identify a transmission path number (R4) and a line selection table of the transmission path R4 is obtained. Then the line selection table T4 is indexed by a CIDX(3) to obtain a line number L42 to transmit the packet. That is, the calling exchange station provides 0~7 numbers of modulo 8 to a call transmitted from the exchange station in order, then each line is used in order in the units of a call by the line selection table T4 and uniform loading is attained.



A8